

1. Name: Heba Mahmoud Sayed Fouad Ebrahim

Assistant teacher, Department of Architecture, Higher Institute of Engineering, Elshorouk Academy.

2. Degrees:

- B.S. (Architectural Engineering) Higher Institute of Engineering, Elshorouk Academy, Elshorouk City, Cairo, Egypt. 2010.
- M.S. (Architectural Engineering) Cairo University, Giza, Egypt. 2019
- Ph.D. (Architectural Engineering) Cairo University, Giza, Egypt. 2024

3. Years of Service on Faculty: 14

- 10/2010 - present.

4. Other Experience:

- 10/2020 – present: Architecture Control Member (Faculty of Engineering, Elshorouk Academy), Cairo, Egypt.

5. Consulting Activities (selected): Null

6. States in which registered:

- Cairo, Egypt.

7. Principal publications of last 5 years (selected):

- Heba Fouad, Ayman H. Mahmoud and Rania Rushdy Moussa, “**The effectiveness of geothermal systems in cooling residential buildings: a case study of a residential building in Alexandria, Egypt**” Journal of Engineering and Applied Science (2024) 71:45 <https://doi.org/10.1186/s44147-024-00378-x>
- Heba Mahmoud Fouad, Ayman H. Mahmoud & Rania Rushdy Moussa, (2023), “ **Effect of a geothermal heat pump system on cooling residential buildings in a hot, dry climate**”, HBRC Journal, 19:1, 483-507, DOI: 10.1080/16874048.2023.2285095 **homepage: www.tandfonline.com/journals/thbr20**
- Mohsen Abounaga, Heba Fouad, “**Urban Green Coverage: Importance of Green Roofs and Urban Farming Policies in Enhancing Liveability in Buildings and Cities—Global and Regional Outlook**” Chapter in book: The Importance of Greenery in Sustainable Buildings, Publisher: Springer International Publishing, 2022.

8. Scientific and professional societies of which a member

Egyptian Engineers Syndicate, and Egyptian Society of Engineers.

9. Honors and awards:

- The ideal teaching assistant at the Higher Institute of Engineering at Elshorouk Academy for the academic year 2014.

10. Institutional & professional service in last 5 years:

- member Student Leadership Committee, Higher Institute of Engineering, Elshorouk Academy (2020 - present).
- member of the Development and E-Learning Committee, Higher Institute of Engineering, Elshorouk Academy (2016).

11. Professional Development Activities in the last 5 years:

- Attending many meetings, events, and conferences related to the field of architecture and technology (2016 – present).